

CLIPPEDIMAGE= JP408188705A
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TITLE: SHEET HAVING BIODEGRADABILITY

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GUNZE LTD N/A

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ABSTRACT:

PURPOSE: To obtain the subject sheet capable of being easily formed, good in strength and hardness, having a biodegradability, and useful as a card, etc., by blending a chemically synthesized poly- ϵ -caprolactone having the biodegradability with a polylactic acid having the biodegradability.

CONSTITUTION: This sheet having a biodegradability comprises blending (B) 3-30wt.% poly- ϵ -caprolactone with (A) 97-70wt.% polylactic acid. Further, e.g. it is preferable to use a crystalline thermoplastic aliphatic polyester-base resin obtained by chemically polymerizing lactic acid which is obtained by the anaerobic lactic fermentation of glucose, etc., using a microorganism such as Lactobacillus, etc., as the component (A), more specifically the polymer having 1.20-1.35g/cm³ density, approximately 40g/10min MFR (melt flow rate), 160-190°C melting point, 80-110°C and 159-170°C crystallization temperatures and 100000-800000 average molecular weight.

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